

FRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: October 5, 1993
Date Received: September 30, 1993
Project: 7238, Metro Self Monitor, PO #M 31139
Date Samples Extracted: September 30, 1993

**RESULTS FROM THE ANALYSIS OF THE SLUDGE SAMPLE
FOR CHROMIUM, COPPER, NICKEL AND ZINC
Samples Processed Using Method 3050
Results Reported as µg/g (ppm)**

<u>Sample ID</u>	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M 31139	4,000	3,300	3,500	410
<u>Quality Assurance</u>				
Blank	<1	<1	<1	<1
M 31139 (Duplicate)	3,800	3,300	3,400	370
M 31139 (Matrix Spike) % Recovery	ai	ai	ai	ai
M 31139 (Matrix Spike Duplicate) % Recovery	ai	ai	ai	ai
Spike Blank % Recovery	100%	102%	101%	100%
Spike Level	100	100	200	100

ai The amount spiked was insufficient to give meaningful recovery data.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Andrew John Friedman
James E. Bruya, Ph.D.
(206) 285-8282

3008-B 16th Avenue West
Seattle, WA 98119
FAX: (206) 283-5044

October 5, 1993

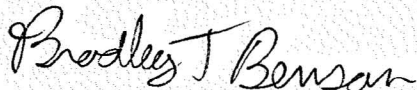
Gerry Thompson, Project Leader
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Enclosed are the results from the testing of material submitted on September 30, 1993 from Project 7238, Metro Self Monitor, PO #M 31139.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,



Bradley T. Benson
Chemist

BTB/dp

Enclosures

FRIEDMAN & BRUYA, INC.
3002-B 16th Avenue West
Seattle, WA 98119

SAMPLE CHAIN OF CUSTODY

9.
09.30.93
914

Send Report To: ALASKAN COPPER WORKS Contact: Gerard Thompson
Company: P.O. Box 3546
Address: SEATTLE, WA. 98124
City, State, Zip: 9/30/93
Phone #: (206) 623-6800 Date:

SITE NO.

PROJECT NAME

PURCHASE ORDER #

7238

METRO SELF-MONITOR

M 31139

SAMPLERS (signature)

PROJECT LOCATION

REMARKS

SAMPLE DISPOSAL INFORM.

- ☐ Dispose after 30 days
☒ Return Samples
☐ Call for Instructions

SAMPLE #

Date/Time
Sampled

Type of
Sample

of
Jars

Lab
Sample #

Analyses
Requested

M 31139

9/30/93

WATER

1

44218

CA, CU, NI, ZN

200g

SIGNATURE

PRINT NAME

COMPANY

Date

Time

Relinquished by:

Received by:

Relinquished by:

Received by:

Gerard Thompson

Amy Gray

ALASKAN COPPER WORKS

Friedman and Bruya Inc.

9/30/93

9/30/93

8:58

9:00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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DUPLICATE COPY

October 5, 1993

INVOICE # 93ACU1005-2

**Alaskan Copper Works
628 South Hanford
Seattle, WA 98134**

**RE: Project 7238, Metro Self Monitor, PO #M 31139: Results of testing requested
by Gerry Thompson, Project Leader and submitted on September 30, 1993.**

**1 sludge sample analyzed for Chromium, Copper, Nickel
and Zinc @ \$65 per sample**

\$ 65.00

Amount Due

\$ 65.00